

Virginia Weatherization Assistance Program

January 27, 2021





Weatherization Assistance Program

- Funded by U.S. Department of Energy (WAP regulations in 10 CFR Part 440)
- Operated in all 50 States, District of Columbia,
 US Territories and some Native American Tribes
- Utilizes some of the most advanced technologies and diagnostic testing protocols in the energy conservation industry



Weatherization...

- Provides energy conservation measures such as insulation, duct and air sealing, furnace tune-ups, energy saving light bulbs in the homes of low income families at no cost to the residents
- Provides an average cost per unit of \$7669 for PY 2020



Virginia Funding Levels

- 2020 allocation of \$5.5 million Wx dollars from DOE
- Plus 15% of State's Low Income Heating **Energy Assistance Program (LIHEAP)** allocation (approx. \$13m)
- Total funding of approximately \$18.5 million



Virginia WAP Program

- Administered through 17 local non-profit subgrantee agencies statewide;
- Targeted to households at or below 60% of median income, with priority to the elderly, families with young children and the disabled (i.e, current limit for family of 4 - \$60,286)

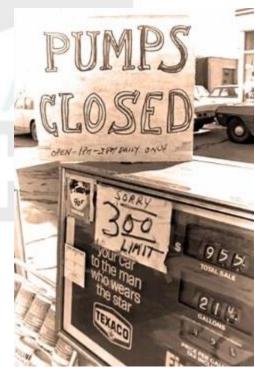


- Available for single family, mobile homes, and multi-family
- Available to owners and renters
- Cannot re-weatherize homes that were weatherized after 9/30/1994 (will change to within15 years with 2021 allocation)



History of WAP

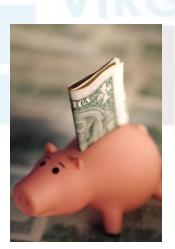
- Created in 1976 as an energy conservation program for low income households
- Resulted from the energy crisis of the '70s
- Was very limited in scope & average cost per unit





Savings Benefits of WAP

 Low income families will save an average of \$283 annually in energy costs depending on location, housing type and fuel source





Economic Benefits of WAP

Every \$1 invested in the Program returns
 \$1.72 in energy benefits and \$2.78 in non-

energy





Economic Benefits of WAP

 Approximately 89% of the materials used in weatherization are made in the USA



Virginia Department of Housing and Community Development



Health Benefits of WAP

 Improves health and safety conditions, increases comfort for occupants and extends the lifetime of affordable housing.



Virginia Department of Housing and Community Development



State Role

- Management, oversight and reporting of DOE and LIHEAP funds in accordance with regulations
- Fiscal and administrative monitoring
- Technical monitoring and inspection of at least 5%-10% of units completed depending on local audit/ inspection



Local Subgrantees Provide:

- Applicant Intake and Approval
- Energy Audit and Inspection
- Work Order for each Job
- Installation of Weatherization Measures
- Client Education
- Inspection by Quality Control Inspector



The Energy Audit

- Currently use Hancock Energy Audit Tool (HEAT) for SF or mobile homes
- Determines Savings to Investment Ratio of energy savings measures (must be 1 or more)



DHCD Commonly Installed Measures

- Duct sealing
- Air sealing
- Insulation (belly, ceiling/roof cavity, walls)
- Energy efficient light bulbs
- Insulation of hot water heater
- Furnace and boiler tune-up
- Refrigerator replacement (metering req)
- Smoke / CO detectors
- Whole House Ventilation Fans



Health & Safety

- For benefit and durability of weatherization measures installed and safety of residents/crew
 - Minor roof repair (no replacement)
 - Dryer venting/moisture control
 - Fire extinguisher
 - Combustion appliance inspection/safety
 - Personal protection equipment for crew



Weatherization does not:

- Eliminate mold
- Abate lead paint
- Remove asbestos
- Replace roofs
- Provide general home repairs
- Build outside decks or stairs
- Replace ranges (can clean/repair)
- Weatherize new construction



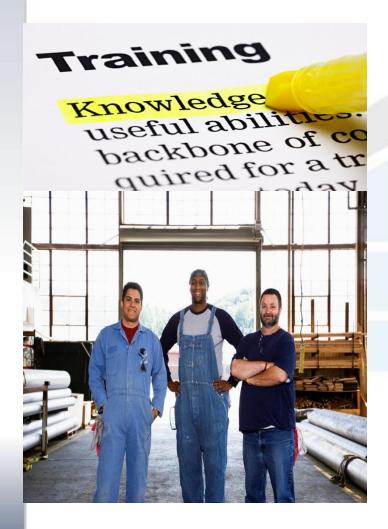


Agencies Educate Clients on:

- Operating new equipment
- Maintaining equipment for maximum efficiency
- Other tips on saving energy in the home







VA has a highly trained Weatherization work force

- Crew workers
- Crew leaders
- Energy Auditors
- Quality Control Inspectors



Contact

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